

APPROVED	O.G. FIG.
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DRAFTSMAN: CHENG CHI HSU

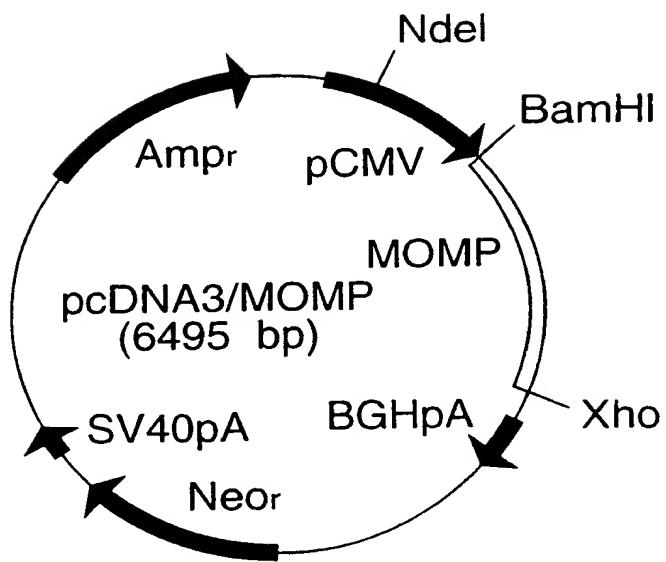


FIG.1

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MoPn MOMP gene (nucleotide number of mature MOMP)

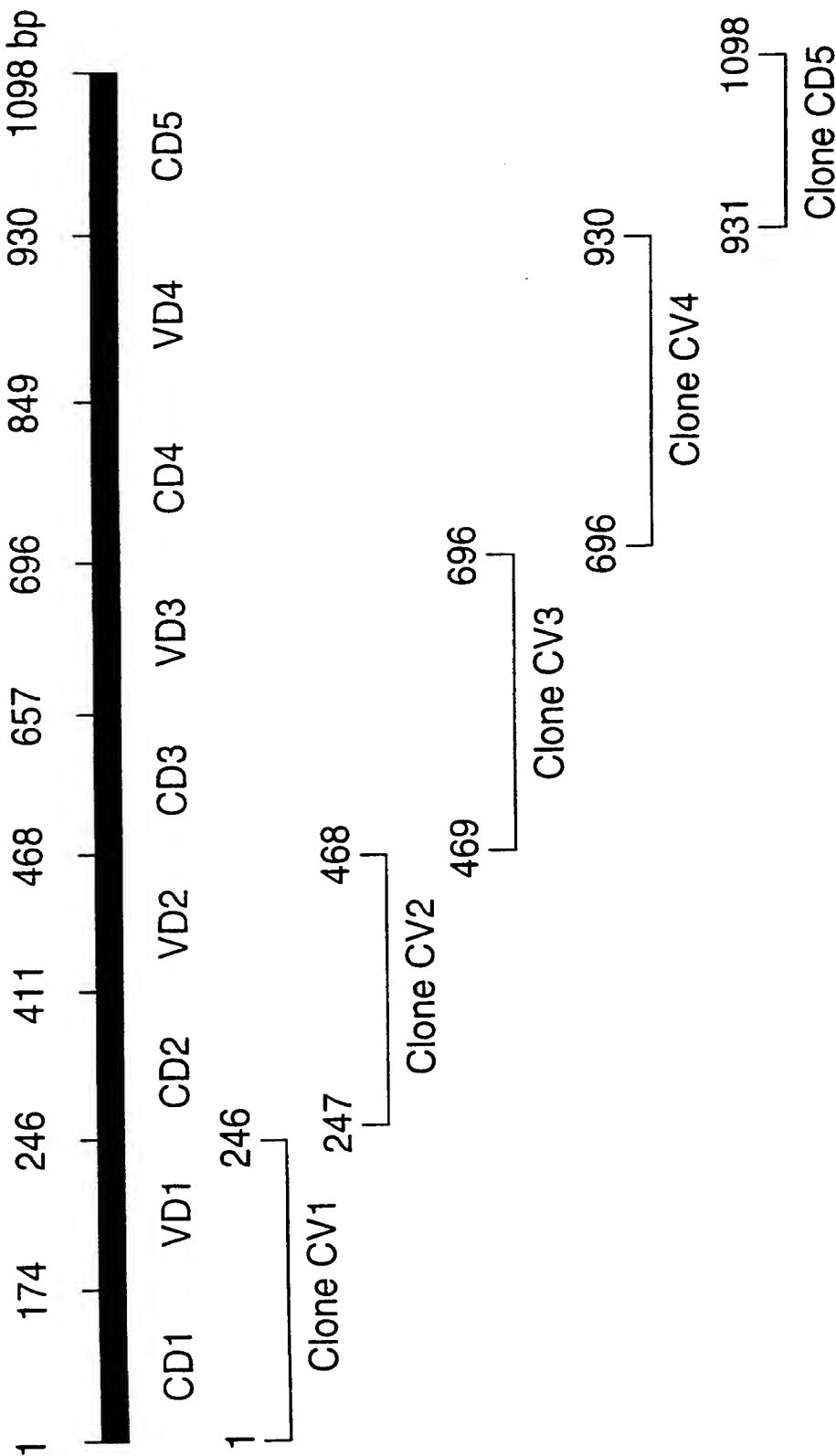


FIG.2

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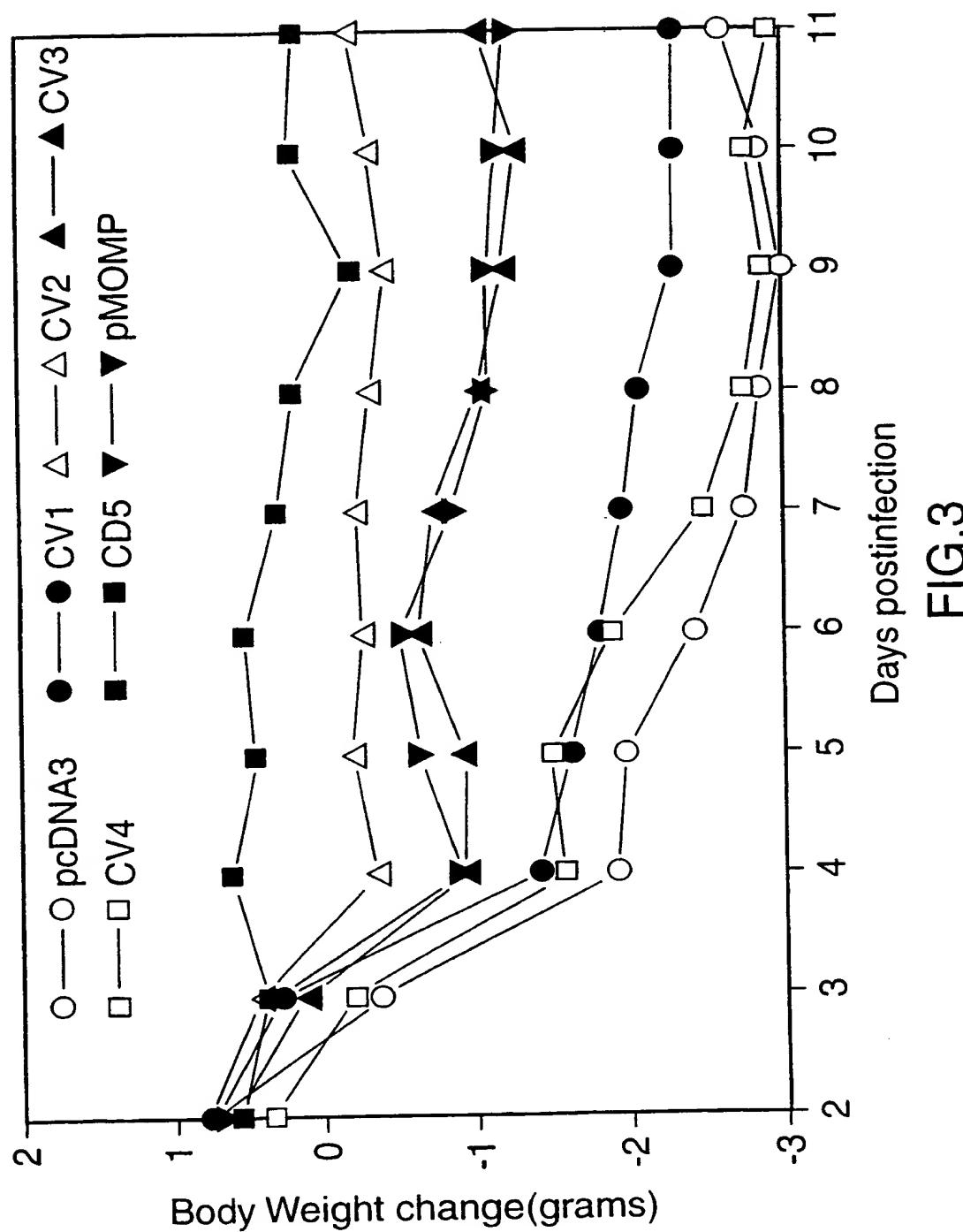


FIG.3

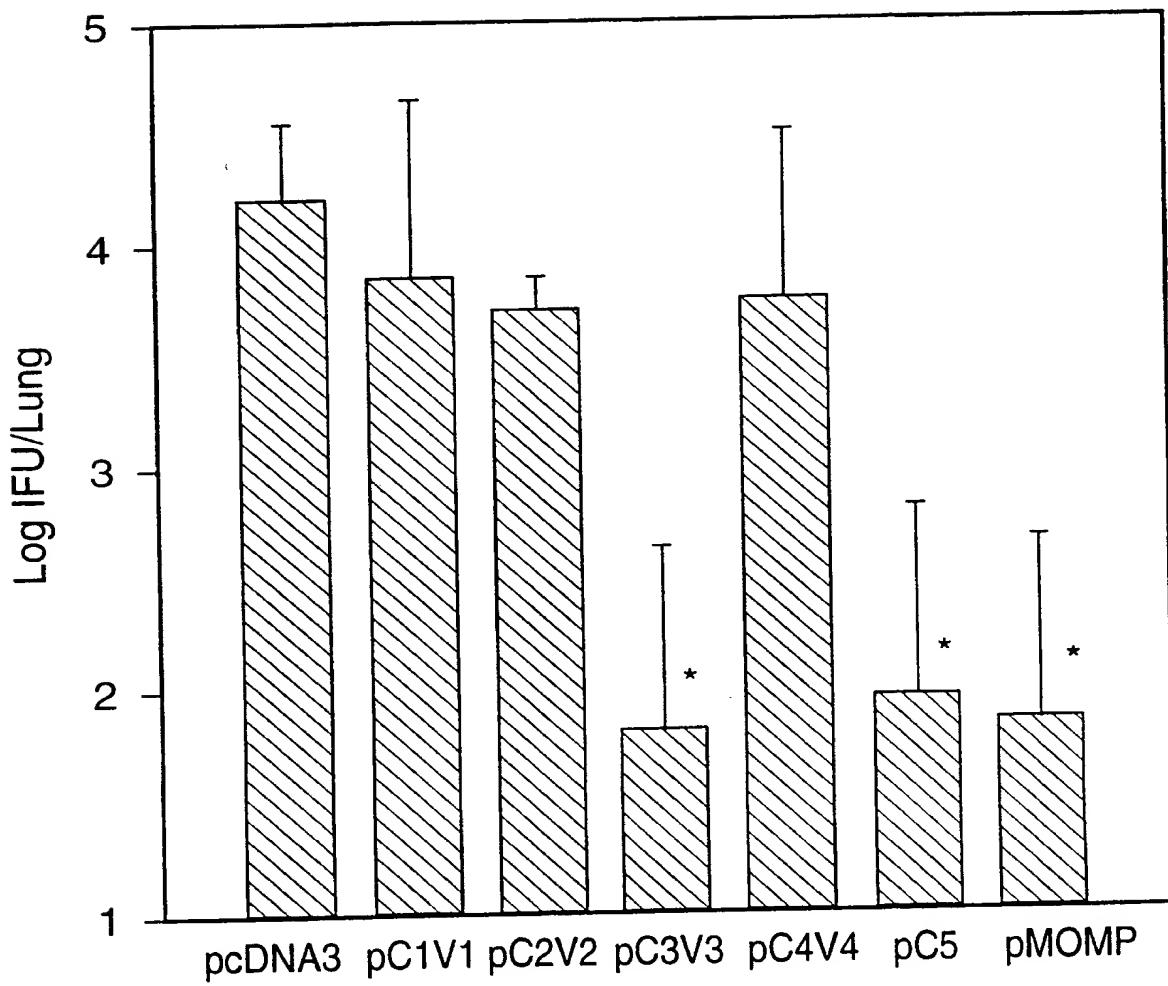


FIG.4

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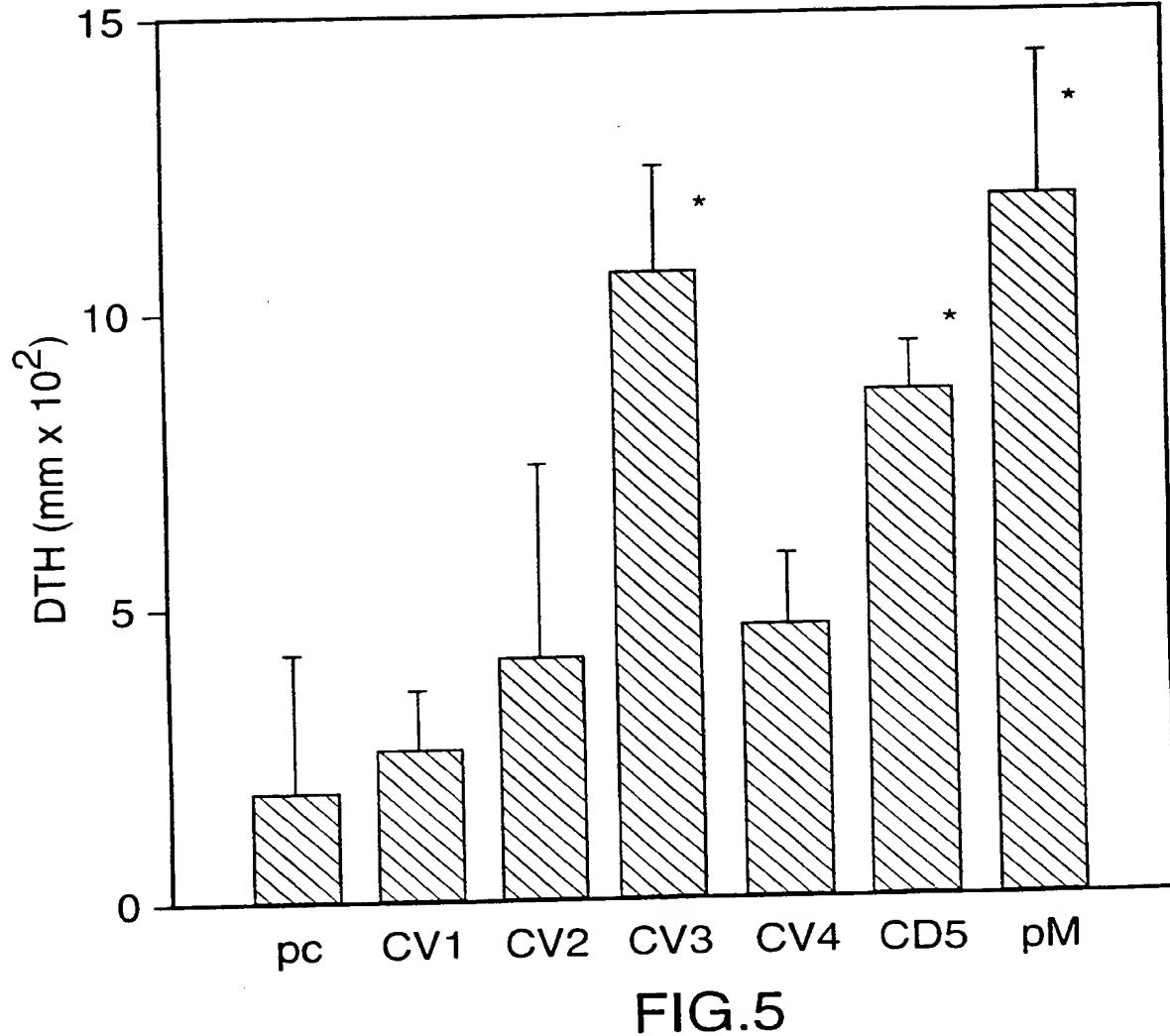


FIG.5

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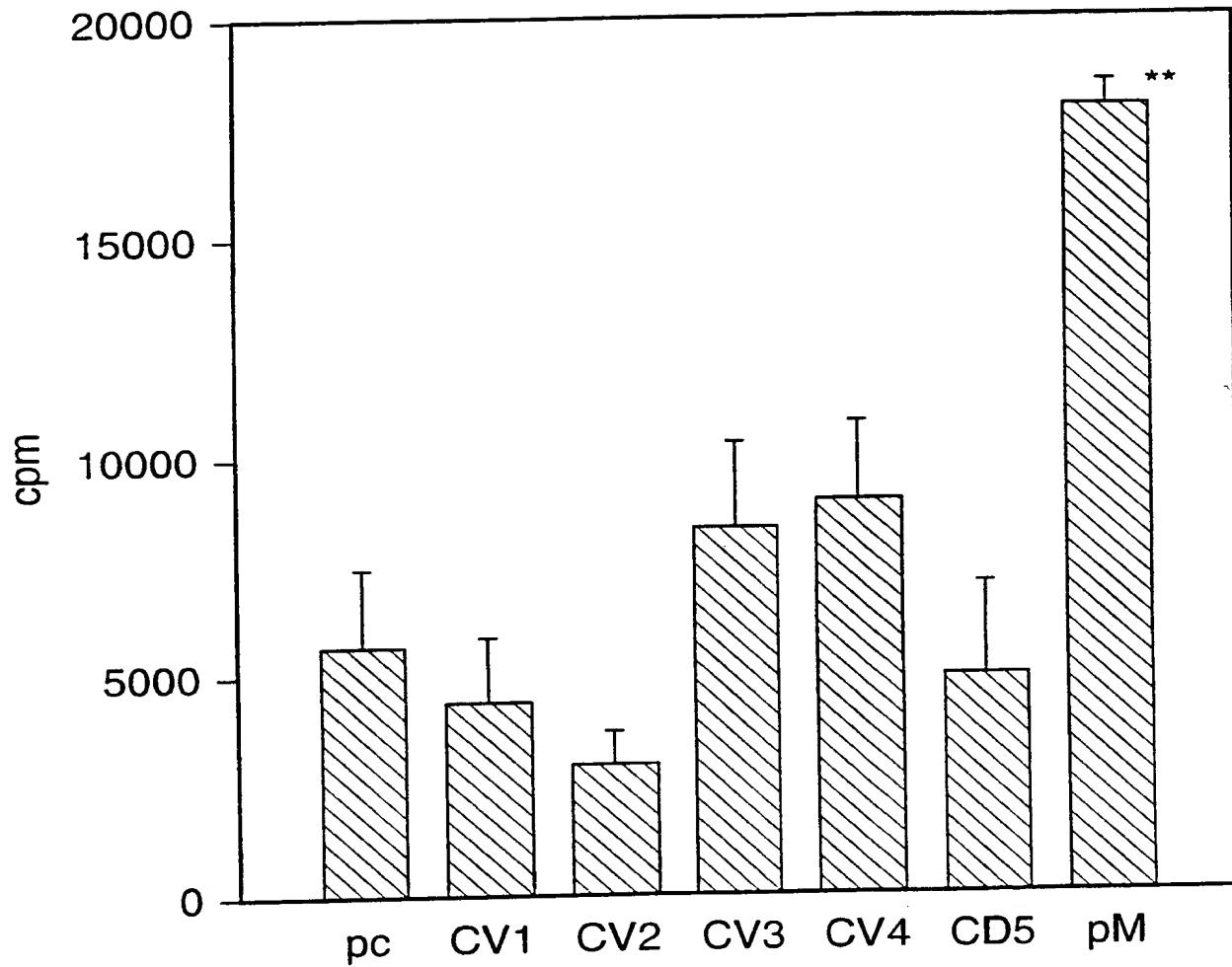


FIG.6

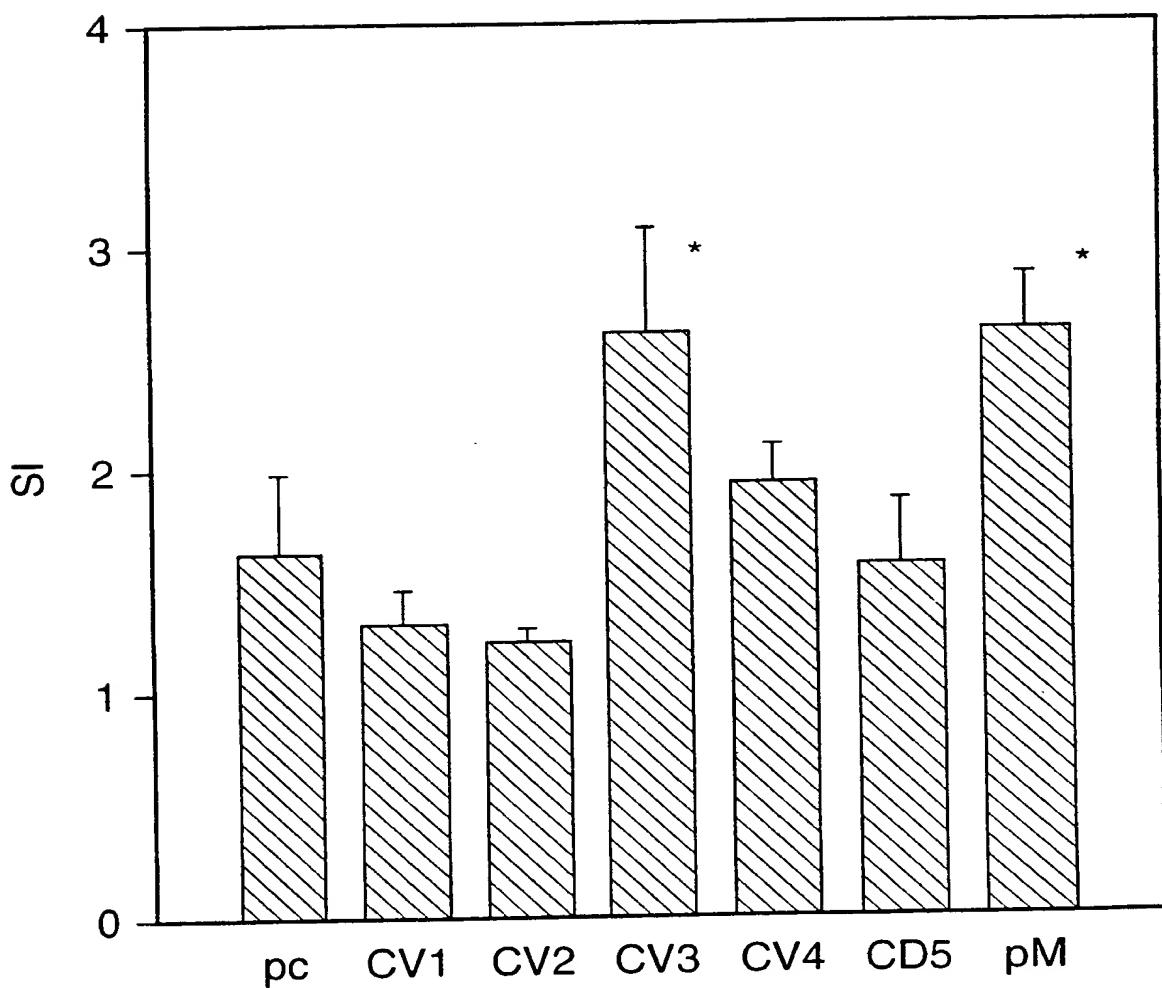


FIG.7

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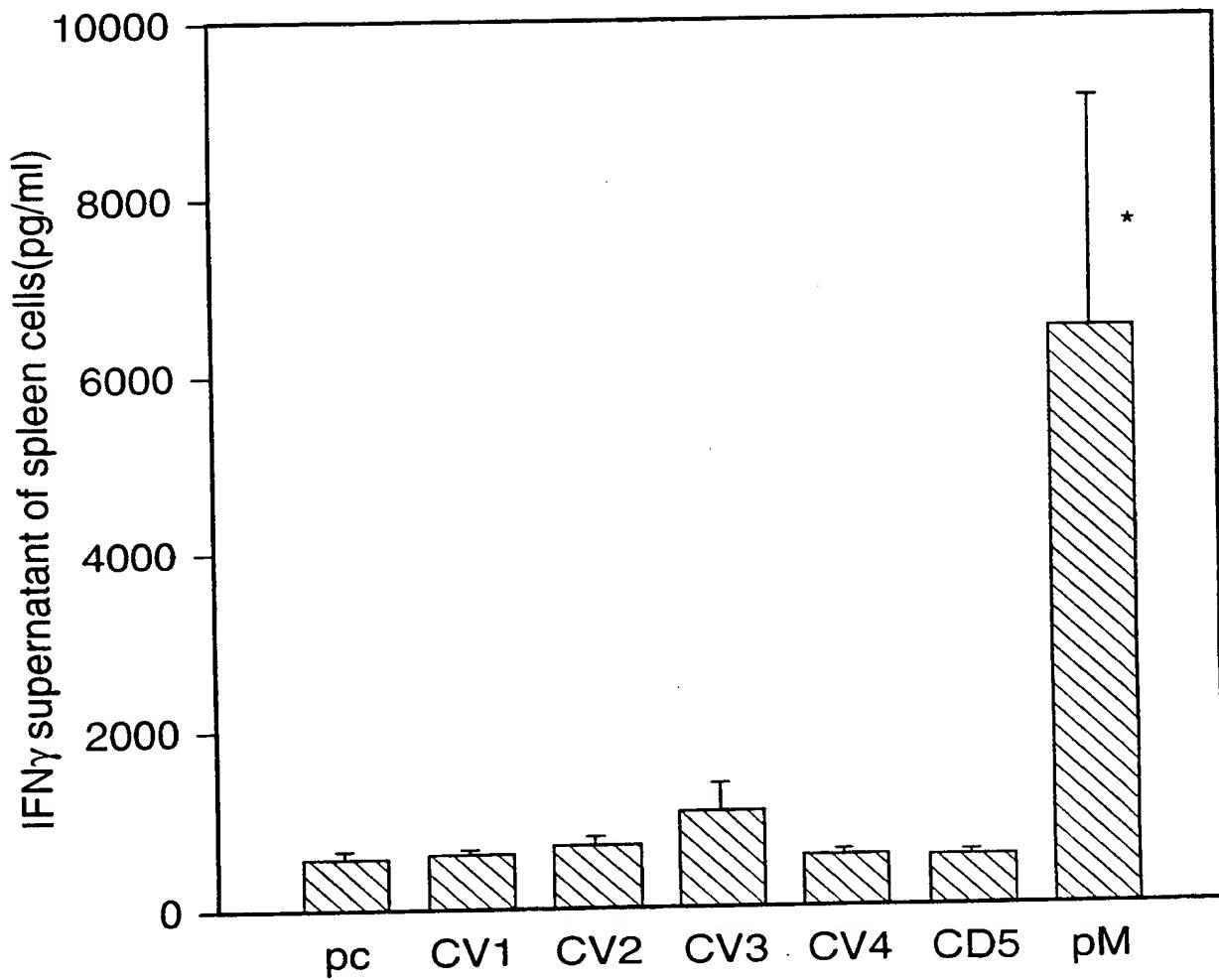


FIG.8

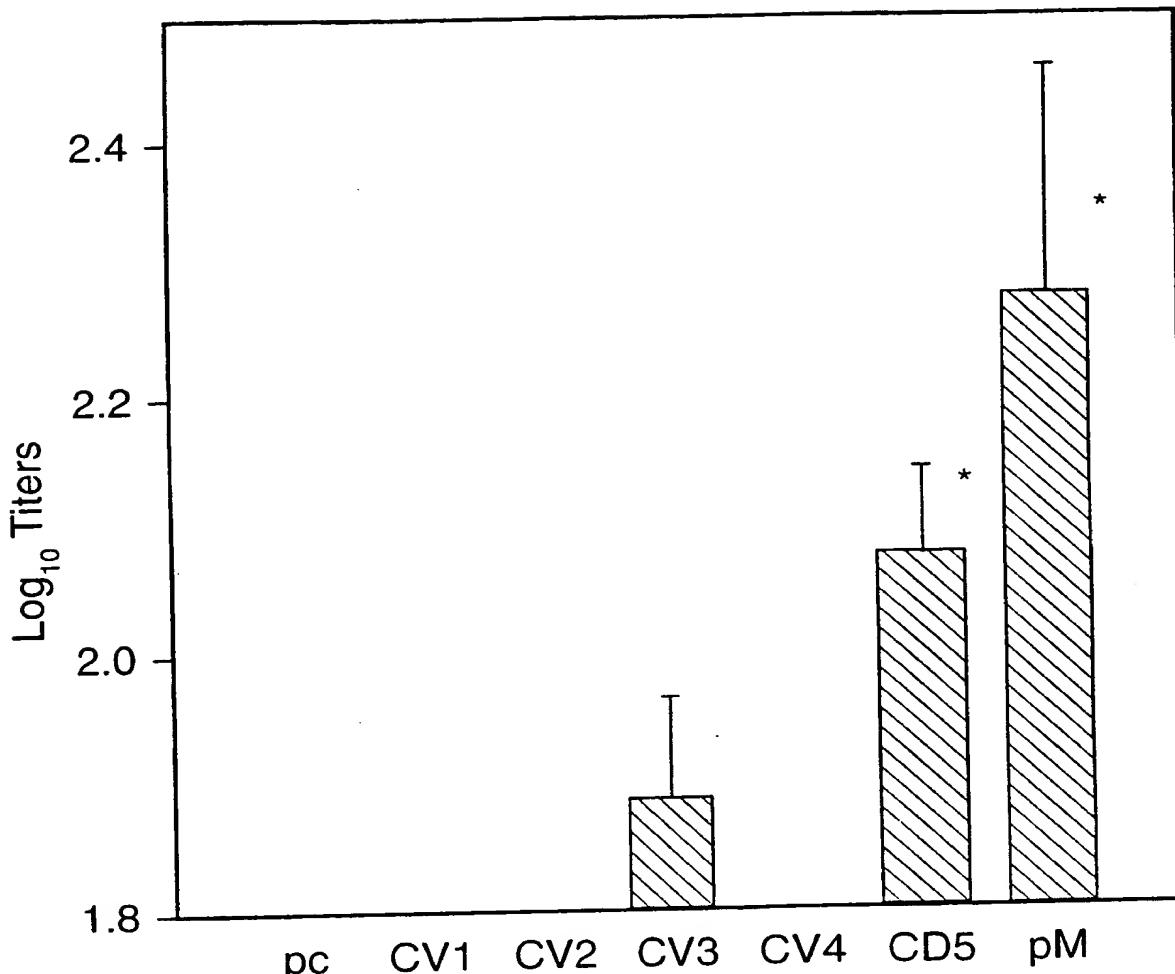


FIG.9

EFQ-MGDKPTSTIGENATAPPI
DAISMRGYYGDFVDRVLRDWNK
TTIW C P C

59

SUBSTITUTE SHEET (RULE 26)

FIG. 10A

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O 916 142 594-15 11 12 13 14 15

EIG. 108

E-..	EALAGAS..	T.--S.	76
..-	..-	AE.. TSDTAGL-SND	77
..-	..-	AA.. TSDTAGL-ERD	77
..-	..-	AA.. TSDTAGL-QND	77
..-	..-	AA.. TNDADL-QND	77
..-	..-	Q.E-.. AA.. G-DADL.TAP.	77
..-	..-	Q.E-.. PV.. T.DTD.A.DI.	76
..-	..-	TIS-.. TA.. ---. N.A.DFK	75
..-	..-	T.SG.AAT.. QA.. N.SNTNQ	79
..-	..-	T.S-.. A.. ---. S.A.--N	73
A..	L.A.F.. Y....I..V.AP.		
S..	I.A.....Y.....I..V..		
A..	I.A.....Y.....V..		
A..			

3

33

E	LT---ARE	NPAYGRHMQDAEMFTNAACMALNTIDREFDVF	C	TLGASSGVL
B	-----	-----	-----	-----
L1	C.-----	-----Y-----	-----T-----	-----
DA	-----	-----	-----T-----	-----
L2	C.-----	-----Y-----	-----T-----	-----
F	SKLVE.T	-----K-----	-----T-----	-----T-----
P	TNV.P	-----K-----	-----Y-----	-----TT-----
L3	P.TNV.P	-----K-----	-----Y-----	-----TT-----
A	PVANV.P	-----K-----	-----Y-----	-----TT-----
C	P.TNV.P	-----K-----	-----Y-----	-----TT-----
C	PKTNV.P	-----K-----	-----Y-----	-----TT-----
H	PKTNV.P	-----K-----	-----Y-----	-----TT-----

FIG.10C

MoPn	-PA--S..	.....K.....Y.....	.....T.....
SFPD	TST--P..	.....K.....Y.....	.....T.....
GPIC	TVA--D.N	I.....K.....WS.....FL.....	.....N.....
Mn	PEAN-G.P	I.....E.....W.S.....FL.....	.....N.F
HuPn	Y.TAVD.P	.....NK.IH.....W.....GFI.....	.....N..I

139

KGNSASFNLVGLFG DNENQSTVKTNS-----VPNMSLDQS WVELYIDTAFFSMVG		174
N.....TK.....SNGAF-----		.....A.....
.....KDA-----F.....		.....T.A.....
.....K.....AE.....F.....		.....T.A.....
.....HA.....SDSKL-----		.....T.A.....A.....
GV.....ATKPAAD.....I.....VQ.N.....		.....T.A.....
TKTQSTINFN.....AKL-----TA.N.A.....		.....T.A.....
TKTQS.....GFD.ANI-----TA.N.A.....		.....T.A.....
TKTQS.....SFN.....AKL-----I.....TA.NEA.....		.....IN.T.A.....
TKTKS.....DFN.....AKL-----IA.....MRA.....		.....T.A.....
RD.....TA-----VAADDI.....V.....S.A.....		.....A.....
.....A.....		.....A.....
A.A.A.....L.....VTG-----TDLQGQ-----Y.....VAIS.G	L.....T.....
AS.....A.....I.....FSAAS.....ISTDLPTQ-----L.....VGIT.G	F.....S.....
R.....TA.....VKG--T.....N-ANE-----L.....V.....SNG.....	S.....

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00902T 91621990

FIG. 10D

182 184

210

APAAALNE [C G C] ATLGASFQYAQSQSKPKVEELNVL [C NAAEFTINKPKGY

B

L1

DA

L2

F

L3

A

C

H

MoPn

SFPD

GPIC . . G

Mn . . G

HuPn . . G

I

D. S.

223

233

VG

-QEFPLALLAGTDA

ATGIKDASIDYHEM

QASIALSYRIAMFTPYIGVKWSRA

273

274

273

273

274

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00202T 01162T 0160

FIG. 10E

..	--K.....D.T.....	S.....	274
..	--A.....DIT.....E.	V.....	276
..	--A.....DIT.....E.	V.....	276
..	--A.....NIT.....E.	V.....	276
..	--A.....DIT.....E.	V.....	276
..	--A.....NIK.....VS.....D.	V.....	270
..	--K.....T.....S.....D.	V.....	279
K.	TAAN.....P.T.....ES.....D.....S.T.K.....IG.....LV.....N.....	V.....	270
K.	ASSN.....PIT.....TE.....D.....S.T.K.....VG.....LV.....N.....	V.....	280
K.	--VA.....PTD.....VAT.....S.T.N.....VGAS.....SLV.....Q.....	V.....	269

287

316

E	SFDADTIRIAQPK	SATAIFDTITLNPTIAGAG-DVKASA-----EGQLG DT	VD IV
B	.....S.....	.....ET.....V.....-.....T.....-.....	.....
L1	.....	.....L.....-.....E.....N.....-.....	.....
DA	.....	.....-.....TGT-.....	.....
L2	.....	.....TV.....V.....-.....	.....
F	.....R.....LV.....PVV.....I.....	.....C.....S.....AGANT-----IS.....	.....
L3	.....L.....E.....VL.....V.....	.....K.....S.....V.....GS-----NE.....A.....	.....
AL.....KPVL.....K.....-T.....VS.....-.....NE.....A.....
CL.....E.....L.....V.....K.....-S.....VSAGT-----DNE.....A.....
HL.....E.....L.....V.....K.....-T.....V.....GS-----DNE.....A.....
MoPnL.....E.....S.....LM.....W.....S.....S.....I.....DTKIT.....

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FIG. 10F

SFPD	L.E.. L.V.. W.....	TIADGTGAAATTANG.A
GPIC	T.....S.....	LP.. LIN.. W.. LL.. ---EATTINTG---AKYA.. Q	
Mn	T.....	LKSE..INI..W..SLI..ST-TALPNNSCK--DV.S..V	
HuPn	T...N.....	LP..VIML..AW..SLL.. ---NAT.LSTT---DSFS..F	

MQTVSLQLNKMKSRKS	C	GIAVGTIVDADKIVAVTIVETRLIDERAHHNAQFRF
371	371	371
372	371	371
373	372	372
375	373	373
374	375	375
375	375	375
365	365	367
382	382	380
382	382	367
367	367	367
380	380	380
366	366	366